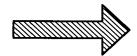
Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

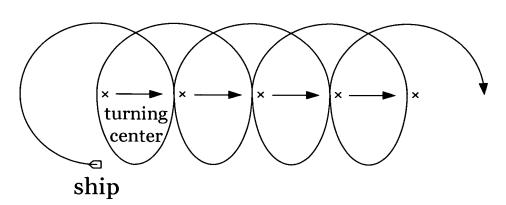
AUTOPILOT NEW SHEET

Sheet 1 of 10

## Fig. 1

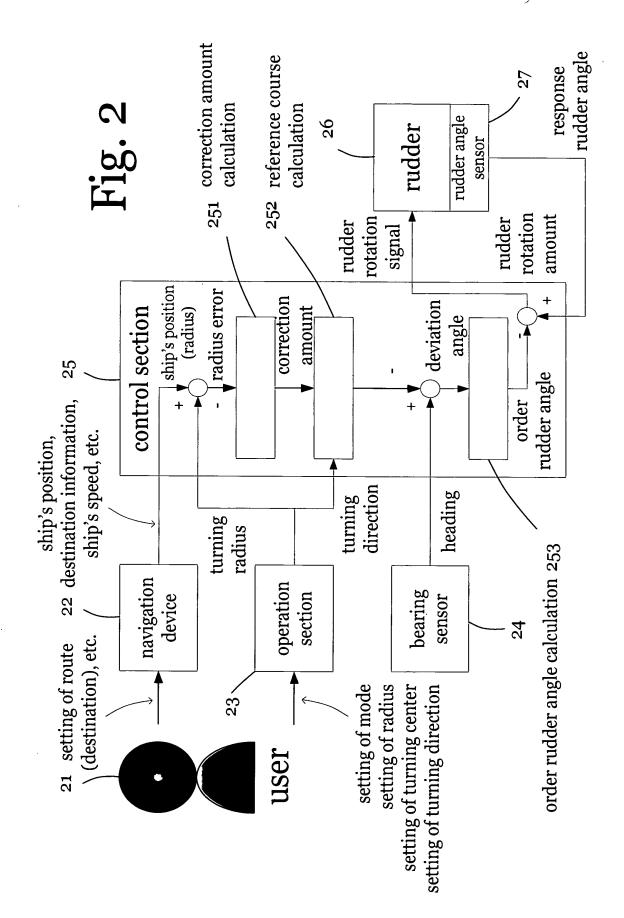


extraneous factor (tidal current, wind, etc.)



App No.: NEW Docket No.: 0757-0315PUS1 Inventor: Kazutoshi SHIMO et al. Title: AUTOMATIC STEERING CONTROL APPARATUS AND AUTOPILOT
NEW SHEET
Sheet 2 of

Sheet 2 of 10



App No.: NEW

Docket No.: 0757-0315PUS1

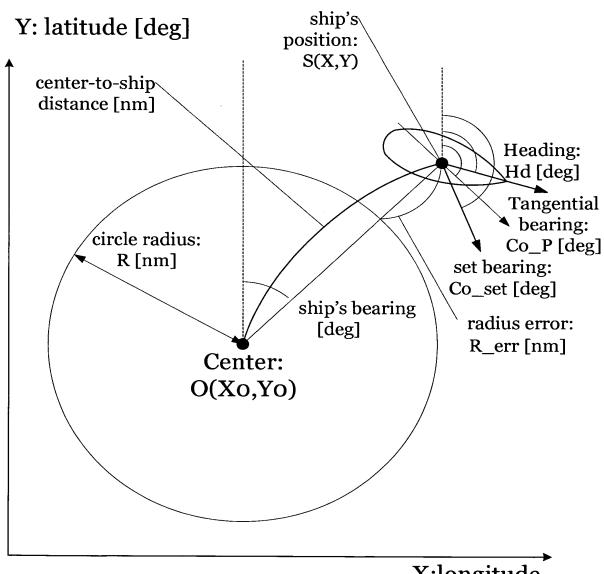
Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

AUTOPILOT NEW SHEET

Sheet 3 of 10

Fig. 3



X:longitude [deg]

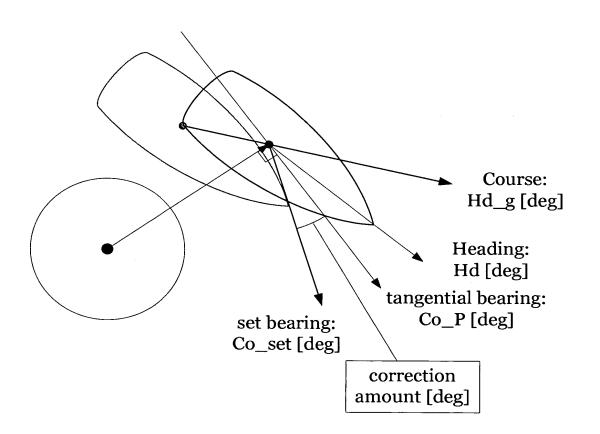
Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

AUTOPILOT NEW SHEET

Sheet 4 of 10

Fig. 4



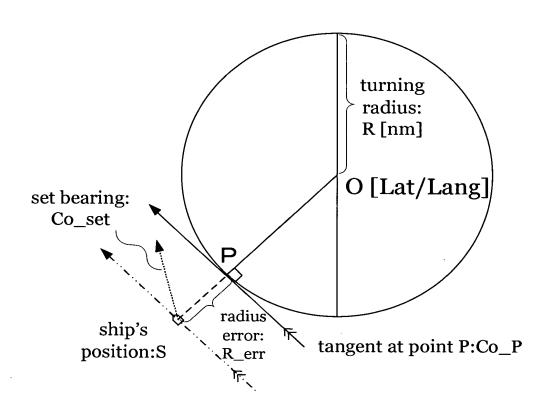
Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

AUTOPILOT NEW SHEET

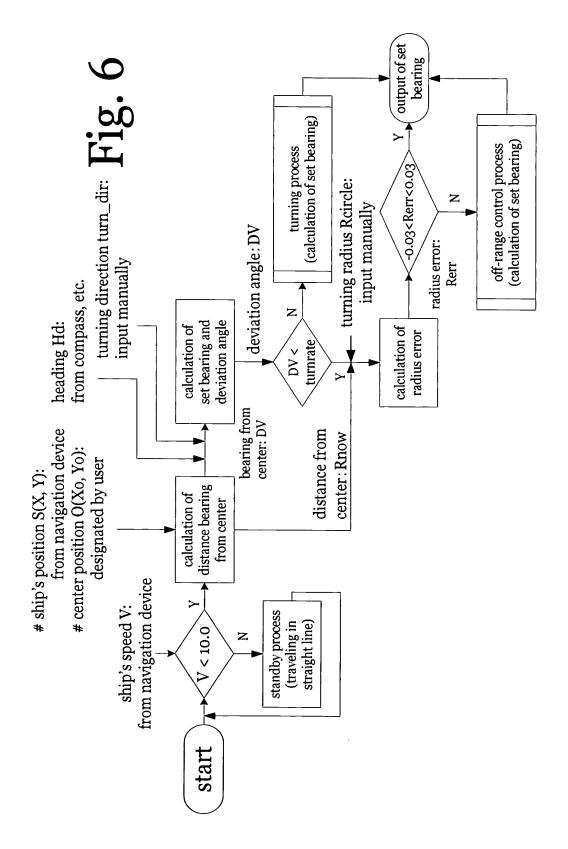
Sheet 5 of 10

Fig. 5



App No.: NEW Docket No.: 0757-0315PU: Inventor: Kazutoshi SHIMO et al. Title: AUTOMATIC STEERING CONTROL APPARATUS AND Docket No.: 0757-0315PUS1 AUTOPILOT Sheet 6 of 10

**NEW SHEET** 



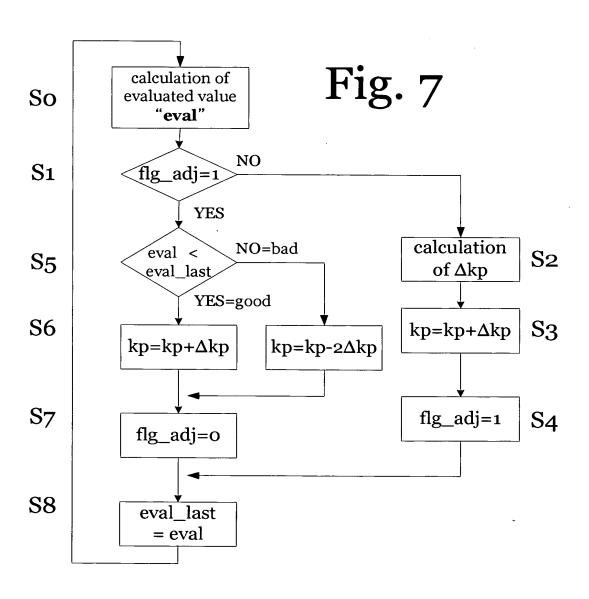
Docket No.: 0757-0315PUS1 App No.: NEW

Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

**AUTOPILOT NEW SHEET** 

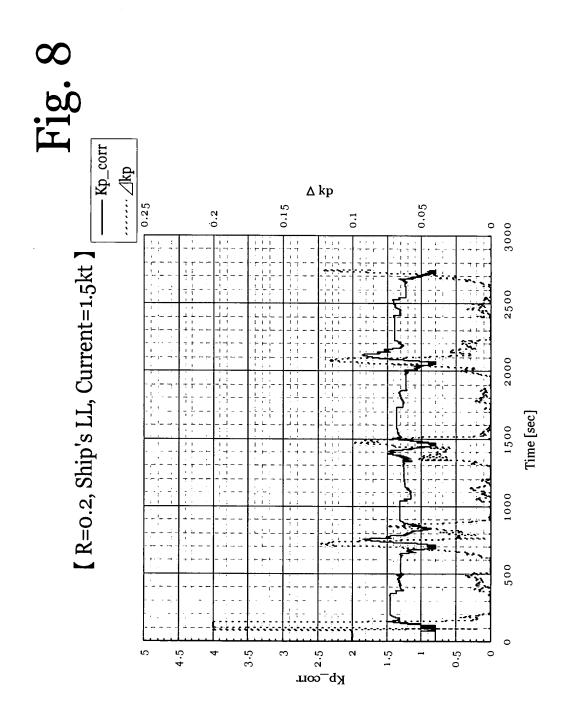
Sheet 7 of 10



App No.: NEW Docket No.: 0757-0315PUS
Inventor: Kazutoshi SHIMO et al.
Title: AUTOMATIC STEERING CONTROL APPARATUS AND Docket No.: 0757-0315PUS1

**AUTOPILOT NEW SHEET** 

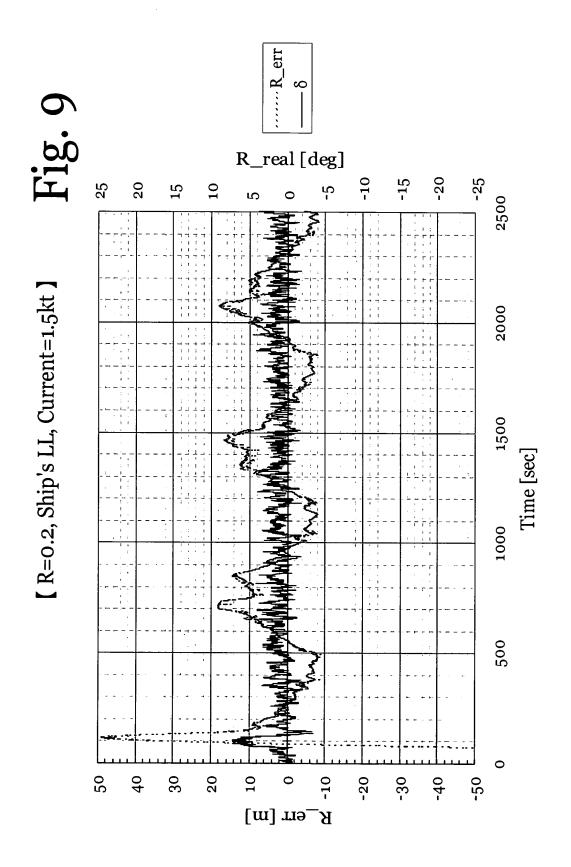
Sheet 8 of 10



Inventor: Kazutoshi SHIMO et al.
Title: AUTOMATIC STEERING CONTROL APPARATUS AND

AUTOPILOT NEW SHEET

Sheet 9 of 10



Docket No.: 0757-0315PUS1 App No.: NEW

Inventor: Kazutoshi SHIMO et al.

Title: AUTOMATIC STEERING CONTROL APPARATUS AND

**AUTOPILOT NEW SHEET** 

Sheet 10 of 10

Fig. 10

[ REGULATOR R = 0.2, Ship's LL, Current = 1.5kt ]

